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 Su Liang; Ahmadi, M.; Shridhar, M.;
 Image Processing, IEEE Transactions on
 Volume 6, Issue 8, Aug. 1997 Page(s):1195 - 1202
[AbstractPlus](#) | [References](#) | Full Text: [PDF\(188 KB\)](#) IEEE JNL

- ☐ 2. **Light coupling characteristics of corrugated quantum-well infrared photodetectors**
 Kwong-Kit Choi; Kok-Ming Leung; Tamir, T.; Monroy, C.;
 Quantum Electronics, IEEE Journal of
 Volume 40, Issue 2, Feb. 2004 Page(s):130 - 142
[AbstractPlus](#) | [References](#) | Full Text: [PDF\(656 KB\)](#) IEEE JNL

- ☐ 3. **Automatic segmentation of moving objects in video sequences: a region labeling approach**
 Tsaig, Y.; Averbuch, A.;
 Circuits and Systems for Video Technology, IEEE Transactions on
 Volume 12, Issue 7, July 2002 Page(s):597 - 612
[AbstractPlus](#) | [References](#) | Full Text: [PDF\(512 KB\)](#) IEEE JNL

- ☐ 4. **Boundary feature extraction from gray-scale document images**
 Nishida, H.;
 Document Analysis and Recognition, 1997., Proceedings of the Fourth International Conference on
 Volume 1, 18-20 Aug. 1997 Page(s):132 - 136 vol.1
[AbstractPlus](#) | Full Text: [PDF\(424 KB\)](#) IEEE CNF

- ☐ 5. **Surface matching by 3D point's fingerprint**
 Sun, Y.; Abidi, M.A.;
 Computer Vision, 2001. ICCV 2001. Proceedings. Eighth IEEE International Conference on
 Volume 2, 7-14 July 2001 Page(s):263 - 269 vol.2
[AbstractPlus](#) | Full Text: [PDF\(700 KB\)](#) IEEE CNF

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3	INZZ	structural AND member AND section ADJ cutting	unrestricted	0	-
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1993. (INZZ) Form finding and **cutting** pattern generation for fabric tension structures.

☐ 9 [display full document](#)

1991. (INZZ) Optimal passive vibration control of **cutting** process stability in milling.

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1991. (INZZ) Optimisation of face-milling cutters by use of a **computer-aided** milling-system simulator (CAMSS).

☐ 11 [display full document](#)

1990. (INZZ) Development of CAD/CAM system: ARIS for centrifugal impeller.

☐ 12 [display full document](#)

1977. (INZZ) **Computer** synthesis of adaptive control systems for machining.

☐ 13 [display full document](#)

(INZZ) Some applications of state and parameter estimation to machine tool problems. I. Applications of nonsequential estimation.

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INSPEC - 1969 to date (INZZ)

Accession number & update

1333395, C79012040; 790000.

Title

Computer synthesis of adaptive control systems for machining.

Author(s)

Glushko-V-V; Butenko-Yu-P; Verkhovodov-A-V.

Source

Machines-and-Tooling (UK), vol.48, no.10, p.9-11, 1977.

Translation of: Stanki-i-Instrument (USSR), no.10, p.6-7, 1977.

CODEN

STINA4, CODEN of Translation: MCTOAD.

ISSN

ISSN: 0038-9811, ISSN of Translation: 0024-922X.

Publication year

1977.

Language

EN.

Publication type

J Journal Paper.

Treatment codes

G General or Review.

Abstract

Based on investigations of possible variants of **structural** machine tool schemes, their main and feed drives, various **cutting** force parameter sensors and the diverse applied systems, a single algorithm for analysis and synthesis of adaptive control systems has been created. A **computer** program is described which based on initial information automatically selects design sequence and appropriate calculation formulae for system characteristics. The results of designing a system for **Model 6652** gantry milling machine are presented. (0 refs).

Descriptors

adaptive-control; computer-aided-analysis; control-system-synthesis;
machine-tools.

Keywords

adaptive control systems; machining; machine tool schemes; feed drives; **cutting** force parameter sensors; **computer** program; **Model 6652** gantry milling machine; CAA; control system synthesis.

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3768811, C91006722; 910100.

Title

Development of CAD/CAM system: ARIS for centrifugal impeller.

Author(s)[Kurashima-Y](#); [Satou-S](#); [Kobayashi-K](#); [Seo-N](#); [Yamaguchi-H](#); [Kawaguchi-O](#).**Author affiliation**

Ishikawajima-Harima Heavy Ind Co Ltd, Tokyo, Japan.

Source

Ishikawajima-Harima-Engineering-Review (Japan), vol.30, no.3, p.178-82, May 1990.

CODEN

ISHGAV.

ISSN

ISSN: 0578-7904.

Publication year

1990.

Language

JA.

Publication type

J Journal Paper.

Treatment codes

P Practical.

Abstract

The authors have successfully developed a **computer** graphics CAD/CAM system named ARIS (advanced radial impeller system) for centrifugal impellers in industrial compressors and blowers, gas-turbines, and turbo-chargers. This system has various functions. In the design stage, a complete impeller **model** is created with the help of three-dimensional surface processing and display. The system has the functions of verifying blade surface smoothness and FEM **structural** analysis interface. This impeller **model** is used throughout the system for creation of NC data. In the production stage, **cutting** tools and conditions, tool axis vectors, cutter path, etc. are automatically determined. Collision between tool and blade is finally checked and the colliding part, if it happens, is graphically displayed. By using ARIS, the authors have successfully eliminated programming and machining hours, and could obtain higher accuracy and quality in designing and machining the impellers. (4 refs).

Descriptors

CAD-CAM; engineering-graphics; finite-element-analysis; mechanical-engineering-computing.

Keywords

CADCAM system; ARIS; centrifugal impeller; **computer** graphics; advanced radial impeller system; industrial compressors; blowers; gas turbines; turbo chargers; three dimensional surface processing; blade surface smoothness; FEM **structural** analysis interface; NC data; **cutting** tools; tool axis vectors; cutter path.

Classification codes

C7440 (Civil and mechanical engineering).

C6130B (Graphics techniques).

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☐ 1. Document ID: US 20020133319 A1

L2: Entry 1 of 1

File: PGPB

Sep 19, 2002

PGPUB-DOCUMENT-NUMBER: 20020133319

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020133319 A1

TITLE: System and method of section cutting and analysis of a computer model

PUBLICATION-DATE: September 19, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
<u>Tang</u> , Dan X.	Ann Arbor	MI	US	

US-CL-CURRENT: 703/1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw. D.
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☐ 1. Document ID: US 20040236424 A1

L4: Entry 1 of 6

File: PGPB

Nov 25, 2004

PGPUB-DOCUMENT-NUMBER: 20040236424

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040236424 A1

TITLE: Patient selectable joint arthroplasty devices and surgical tools
facilitating increased accuracy, speed and simplicity in performing total and
partial joint arthroplasty

PUBLICATION-DATE: November 25, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Berez, Aaron	Menlo Park	CA	US	
Fitz, Wolfgang	Natick	MA	US	
Lang, Philipp	Lexington	MA	US	
Steines, Daniel	Palo Alto	CA	US	
Tsougarakis, Konstantinos	Mountain View	CA	US	
Vargas-Voracek, Rene	Sunnyvale	CA	US	
Snyder, Cecily Anne	East Falmouth	MA	US	

US-CL-CURRENT: [623/14.12](#); [264/DIG.30](#), [606/86](#), [623/20.32](#), [623/20.35](#), [623/908](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RUNC	Draw Da
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☐ 2. Document ID: US 20020133319 A1

L4: Entry 2 of 6

File: PGPB

Sep 19, 2002

PGPUB-DOCUMENT-NUMBER: 20020133319

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020133319 A1

TITLE: System and method of section cutting and analysis of a computer model

PUBLICATION-DATE: September 19, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
------	------	-------	---------	---------

Tang, Dan X. Ann Arbor MI US

US-CL-CURRENT: 703/1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	FIGS	Draw Ds
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☐ 3. Document ID: US 20020109715 A1

L4: Entry 3 of 6

File: PGPB

Aug 15, 2002

PGPUB-DOCUMENT-NUMBER: 20020109715

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020109715 A1

TITLE: Optimizing graphical data synchronization between a graphical client and a stateless server

PUBLICATION-DATE: August 15, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Janson, Peter Fredrik	Sausalito	CA	US	

US-CL-CURRENT: 715/744

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	FIGS	Draw Ds
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☐ 4. Document ID: US 6750864 B1

L4: Entry 4 of 6

File: USPT

Jun 15, 2004

US-PAT-NO: 6750864

DOCUMENT-IDENTIFIER: US 6750864 B1

TITLE: Programs and methods for the display, analysis and manipulation of multi-dimensional data implemented on a computer

DATE-ISSUED: June 15, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Anwar; Mohammed S.	Houston	TX		

US-CL-CURRENT: 345/440; 707/4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	FIGS	Draw Ds
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☐ 5. Document ID: US 6608628 B1

L4: Entry 5 of 6

File: USPT

Aug 19, 2003

US-PAT-NO: 6608628

DOCUMENT-IDENTIFIER: US 6608628 B1

TITLE: Method and apparatus for virtual interactive medical imaging by multiple remotely-located users

DATE-ISSUED: August 19, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ross; Muriel D.	Albuquerque	NM		
Twombly; Ian Alexander	Santa Clara	CA		
Senger; Steven O.	Onalaska	WI		

US-CL-CURRENT: 345/619; 382/128, 382/154, 709/204, 709/231, 715/723, 715/733, 715/734, 715/751, 715/756, 718/107

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWAC	Draw. De
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☐ 6. Document ID: US 6220743 B1

L4: Entry 6 of 6

File: USPT

Apr 24, 2001

US-PAT-NO: 6220743

DOCUMENT-IDENTIFIER: US 6220743 B1

TITLE: Processes and materials selection knowledge-based system

DATE-ISSUED: April 24, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Campestre; Jean R.	Vacaville	CA		
Kalos; Alex N.	Lake Jackson	TX		
Cramer; Robert E.	Midland	MI		
Braley; John F.	Midland	MI		
Lacoff; Nathan M.	Sugar Land	TX		
Shastri; Ranganath K.	Midland	MI		
Barron; James H.	Brazoria	TX		

US-CL-CURRENT: 700/97; 700/96, 700/98, 700/99, 707/10, 707/3

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWAC	Draw. De
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L5: Entry 1 of 12

File: PGPB

Sep 30, 2004

PGPUB-DOCUMENT-NUMBER: 20040187426

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040187426 A1

TITLE: Structures and components thereof

PUBLICATION-DATE: September 30, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Callahan, Michael	New York	NY	US	

US-CL-CURRENT: 52/648.1; 52/653.1, 52/653.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 2. Document ID: US 20030173460 A1

L5: Entry 2 of 12

File: PGPB

Sep 18, 2003

PGPUB-DOCUMENT-NUMBER: 20030173460

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030173460 A1

TITLE: Tubular members integrated to form a structure

PUBLICATION-DATE: September 18, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Chapman, W. Cullen JR.	Hermosa Beach	CA	US	

US-CL-CURRENT: 244/123

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 3. Document ID: US 20030146346 A1

L5: Entry 3 of 12

File: PGPB

Aug 7, 2003

PGPUB-DOCUMENT-NUMBER: 20030146346
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030146346 A1

TITLE: Tubular members integrated to form a structure

PUBLICATION-DATE: August 7, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Chapman Jr, W. Cullen	Hermosa Beach	CA	US	

US-CL-CURRENT: 244/123

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	MMO	Draw. De
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☐ 4. Document ID: US 20020133319 A1

L5: Entry 4 of 12

File: PGPB

Sep 19, 2002

PGPUB-DOCUMENT-NUMBER: 20020133319
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020133319 A1

TITLE: System and method of section cutting and analysis of a computer model

PUBLICATION-DATE: September 19, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Tang, Dan X.	Ann Arbor	MI	US	

US-CL-CURRENT: 703/1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	MMO	Draw. De
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☐ 5. Document ID: US 6655633 B1

L5: Entry 5 of 12

File: USPT

Dec 2, 2003

US-PAT-NO: 6655633
DOCUMENT-IDENTIFIER: US 6655633 B1

TITLE: Tubular members integrated to form a structure

DATE-ISSUED: December 2, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Chapman, Jr.; W. Cullen	Hermosa Beach	CA	90254-4669	

US-CL-CURRENT: 244/123; 244/131, 244/133

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. De
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☐ 6. Document ID: US 5810239 A

L5: Entry 6 of 12

File: USPT

Sep 22, 1998

US-PAT-NO: 5810239

DOCUMENT-IDENTIFIER: US 5810239 A

TITLE: Attachment for nailing machine

DATE-ISSUED: September 22, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Stich; Friedrich	Langenlois			AT

US-CL-CURRENT: 227/119; 227/123, 227/147

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. De
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☐ 7. Document ID: US 4675164 A

L5: Entry 7 of 12

File: USPT

Jun 23, 1987

US-PAT-NO: 4675164

DOCUMENT-IDENTIFIER: US 4675164 A

TITLE: Reactor feed tube adjustable mounting assembly and method

DATE-ISSUED: June 23, 1987

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Schramm; Dale E.	Borger	TX		
Scott, IV; Oscar T.	Borger	TX		

US-CL-CURRENT: 422/145; 422/146, 422/173, 422/232

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. De
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☐ 8. Document ID: US 4609532 A

L5: Entry 8 of 12

File: USPT

Sep 2, 1986

US-PAT-NO: 4609532
DOCUMENT-IDENTIFIER: US 4609532 A

TITLE: Reactor feed tube adjustable mounting assembly and method

DATE-ISSUED: September 2, 1986

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Schramm; Dale E.	Borger	TX		
Scott, IV; Oscar T.	Borger	TX		

US-CL-CURRENT: 422/145; 422/146, 422/173, 422/232

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMOC	Draw D
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☐ 9. Document ID: US 4574677 A

L5: Entry 9 of 12

File: USPT

Mar 11, 1986

US-PAT-NO: 4574677
DOCUMENT-IDENTIFIER: US 4574677 A

TITLE: Cutting apparatus for plastic foam solids

DATE-ISSUED: March 11, 1986

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Huhne; Siegmur	Wesel			DE

US-CL-CURRENT: 83/870; 83/171, 83/651.1, 83/697, 83/698.11, 83/751

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMOC	Draw D
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☐ 10. Document ID: US 4033339 A

L5: Entry 10 of 12

File: USPT

Jul 5, 1977

US-PAT-NO: 4033339
DOCUMENT-IDENTIFIER: US 4033339 A

TITLE: Cervical side posture table having effective head restraint means

DATE-ISSUED: July 5, 1977

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Roberts; William Powell	Tampa	FL	33604	
Roberts, Jr.; Gratz Linwood	Adelphi	MD		

US-CL-CURRENT: 602/18; 5/622

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw D
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☐ 11. Document ID: US 3887235 A

L5: Entry 11 of 12

File: USPT

Jun 3, 1975

US-PAT-NO: 3887235

DOCUMENT-IDENTIFIER: US 3887235 A

TITLE: Assembly for hydraulic extraction of sheet-like mineral deposits sectioned into panels by a system of passageways

DATE-ISSUED: June 3, 1975

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Koppers; Manfred	Duisburg			DT

US-CL-CURRENT: 299/1.9; 299/17, 299/19, 299/43

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw D
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☐ 12. Document ID: US 3811730 A

L5: Entry 12 of 12

File: USPT

May 21, 1974

US-PAT-NO: 3811730

DOCUMENT-IDENTIFIER: US 3811730 A

TITLE: DEEP SEA MINING SYSTEM

DATE-ISSUED: May 21, 1974

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dane, Jr.; Ernest Blaney	Belmont	MA	02178	

US-CL-CURRENT: 299/8; 37/308, 37/310, 37/314, 37/324

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw D
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☐ 1. Document ID: US 20020133319 A1

L6: Entry 1 of 1

File: PGPB

Sep 19, 2002

PGPUB-DOCUMENT-NUMBER: 20020133319

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020133319 A1

TITLE: System and method of section cutting and analysis of a computer model

PUBLICATION-DATE: September 19, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Tang, Dan X.	Ann Arbor	MI	US	

US-CL-CURRENT: 703/1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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COMPUTERS	241535
MODELS	0
MODEL	511106
MODELA	16
MODELAA	3
MODELABBRV	1
MODELABILITIES	1
MODELABILITY	21
MODELABLE	55
MODELABSTRACTION	1
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